



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/496,549	02/02/2000	GEORGE KING	96P7613US03	5563

7590 11/03/2006  
Siemens Corporation  
Intellectual Property Department  
186 Wood Avenue South  
Iselin, NJ 08830

EXAMINER

QURESHI, AFSAR M

ART UNIT	PAPER NUMBER
----------	--------------

2616

DATE MAILED: 11/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/496,549

Applicant(s)

KING, GEORGE

Examiner

Afsar M. Qureshi

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE \_\_\_\_\_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 24 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 32,37-39 and 41-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 32,37-39,41-47 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. This action is responsive to a Pre-Appeal review request, dated 9/14/2006. A decision was mailed on 10/24/2006. A revised Office Action follows:
2. **The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.**
3. Claims 32,37-39 and 41-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over McHale (US 5,558,857).

Claims 32, 37-39. McHale discloses method and apparatus to carry out the method for routing a digital data call on a subscriber line (see figure 1) received at a splitter 50 (one of, *remote line termination unit, a digital line unit, a remote data terminal, a subscriber line interface circuit, or a digital subscriber line module*) in a central office 14. The digital data is sent to router 60 via data line 54 that is *external to the switch 56* (see col. 2, lines 22-36).

McHale further discloses a method step for assigning a logical identifier to the digital data call associated with the subscriber line (see col. 12, lines 42-54).

It is readily understood by one having skill in the pertinent art that in order to assign a logical identifier to the digital call from a subscriber it is necessary to assign an

Art Unit: 2616

address for the call to reach its destination and then associate this call with the subscriber line. Without associating the call with a particular port or subscriber line the call cannot be routed, e.g., if a call is forwarded from a network 64 and to be routed to subscriber 12 (as shown in figure 1 – McHale) it is necessary that the call is to be associated to a port or subscriber line coupled to subscriber 12 (**claims 37 and 39**).

4. Claims 41-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over McHale in view of Deschaine et al. ('Deschaine' hereinafter), US 6,327,258.

Claims 41-47. In addition to the limitations above, McHale discloses a splitter 25, remote from the central office and can functionally be considered as subscriber line interface circuit, wherein a digital data call on data line 28 is being terminated (see col. 3, lines 19-27, fig. 1). McHale further discloses using XDSL communication protocol wherein communication server 58 is capable of converting digital data call to a digital data stream, as claimed herein (see col. 7, lines 1-8, 28-40 and col. 11, lines 51-61, also see explanation of figure 5).

Routing a digital data call to a destination bypassing a switch, or without using the internal equipment, is known and old. Deschaine discloses routing the digital data on a channel 114 external to the switch 112 and bypassing the switch (see col. 3, lines 54 through col. 4, lines 1-61, figure 3). The motivation is to provide digital data service to selected telephone subscriber over telephone lines at a reduced cost as desired by

Art Unit: 2616

McHale (see col. 1, lines 28-36) and to relieve subscriber side congestion at originating end office switch.

***Response to Arguments***

5. Applicant's arguments filed 6/27/2006 and subsequently, on 10/24/2006 have been fully considered but they are not persuasive. The prior art, McHale (US 5,668,857) was discussed, in previous office actions and in the telephonic interview, with Mr. J. Miller, in detail. Examiner contends that the cited art discloses all the limitations as above and that the splitter disclosed by McHale reads on termination unit in its ordinary and customary meanings. The secondary prior art, Deschaine (US 6,327,258) is in the same field of endeavor 'routing digital to a destination external to a switch in a central office and bypassing the switch.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Afsar M. Qureshi whose telephone number is (571) 272 3178. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (571) 272 7488. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



**AFSAR QURESHI**  
**PRIMARY EXAMINER**

10/30/2006